WRITTEN ANSWERS TO STARRED QUESTIONS

Development of Hydel power

*441. SHRI SANTOSH BAGRODIA:
SHRI MAHMOOD A. MADANI:

Will the Minister of POWER be pleased to state:

(a) whether Government propose to develop maximum generation of Hydel power because it is more environment friendly and also cost effective in the long run;

(b) what is the total capacity of Hydel power available in the country as on date; and

(c) the details of Government's plan for the next five years for development of Hydel power in different sectors, namely public and private?

THE MINISTER OF POWER (SHRI SUSHILKUMAR SHINDE): (a) Yes, Sir. Government has accorded high priority for development of hydro potential in the country. Hydro power is a renewable, environment friendly and non-polluting source of energy. It promotes conservation of non-renewable fossil fuel and does not add to the green house effect. Hydro stations are cost effective in the long run as no fuel is involved during operation of these stations.

(b) As on 30.4.2007, the total installed capacity of hydel power in the country is about 34,654 MW (including pump storage of 3,660 MW)

(c) To meet the all India peak demand and energy requirement at the end of Eleventh Plan, a capacity addition of 78,577 MW which, *inter-alia,* includes 16,553 MW of hydro power is being envisaged during the

Eleventh Plan (2007-12). Out of the proposed hydro capacity, 13,290 MW is in the public sector and 3,263 MW is in the private sector. Presently, hydro projects with aggregate installed capacity of about 13,800 MW are under construction.

The sector-wise details of hydro-electric schemes identified for benefits during the Eleventh Plan are given in the enclosed Statement.

Statement

Sector-wise details of Hydro-Electric Schemes Identified for benefits during the Eleventh Plan

Sl. No.	Name of Schme	State	Agency	Benefits in Eleventh Plan
1	2	3	4	5
A.	CENTRAL SECTOR			
1.	Parbati-II	Himachal Pradesh	NHPC	800
2.	Parbati-III	Himachal Pradesh	NHPC	520
3.	Chamera-III	Himachal Pradesh	NHPC	231
4.	Rampur	Himachal Pradesh	SJVNL	412
5.	Kol Dam	Himachal Pradesh	NTPC	800
6.	URI-II	Jammu & Kashmir	NHPC	240
7.	Sewa-II	Jammu & Kashmir	NHPC	120
8.	Lohari Nagpala	Uttarakhand	NTPC	600
9.	Tapovan Vishnugad	Uttarakhand	NTPC	520
10.	Tehri PSS	Uttarakhand	THDC	1000
11.	Koteshwar	Uttarakhand	THDC	400
12.	Vyasi	Uttarakhand	NHPC	120
13.	Omkareshwar	Madhya Pradesh	NHDC	520
14.	Teesta Low Dam-III	West Bengal	NHPC	132
15.	Teesta Low Dam-IV	West Bengal	NHPC	160
16.	Teesta V	Sikkim	NHPC	510
17.	Subansiri Lower	Arunachal Pradesh	NHPC	2000
18.	Kameng	Arunachal Pradesh	NEEPCO	600
			TOTAL:	9685.0

1	2	3	4	5
B.	STATE SECTOR			
1.	UHL-III	Himachal Pradesh	Beas valley Crop Ltd.	100
2.	Sawara Kuddu	Himachal Pradesh	PVC	110
3.	Baglihar-I	Jammu & Kashmir	JKPDC	450
4.	Maneri Bhali	Uttarakhand	UJVNL	304
5.	Ghatghar	Maharashtra	GOMID	250
6.	Nagarjuna Sagar TR	Andhra Pradesh	APGENCO	50
7.	Jurala Priyadarshni	Andhra Pradesh	APGENCO	234
8.	Lower Jurala	Andhra Pradesh	APGENCO	240
9.	Kuttiyadi Extension	Kerala	KSEB	100
10.	Adirapally	Kerala	KSEB	163
11.	Mankulam	Kerala	KSEB	40
12.	Pallivasal	Kerala	KSEB	60
13.	Thottiar	Kerala	KSEB	40
14.	Varahi Extn.	Karnataka	KPCL	230
15.	Bhawani Kattalai Barrage II & III	Tamil Nadu	TNEB	60
16.	Purlia PSS	West Bengal	WBSEB	900
17.	Balimela St-II	Orissa	OHPC	150
18.	Myntdu St-I	Meghalaya	MeSEB	84
19.	New Umtru	Meghalaya	MeSEB	40
			TOTAL:	3605.0
C.	PRIVATE SECTOR			
1.	Allain Duhangan	Himachal Pradesh	ADHPL	192
2.	Karcham Wangtoo	Himachal Pradesh	JPKHCL	1000
3.	Budhil	Himachal Pradesh	LANCO	70
4.	Sorang	Himachal Pradesh	Himachal Sorang PC	100
5.	Malana II	Himachal Pradesh	Everest PC	100
6.	Tidong-I	Himachal Pradesh	Nuziveedu Seeds Ltd.	100

1	2	3	4	5
7.	Tangnu Romai	Himachal Pradesh	Tangnu Romai PG Ltd.	50
8.	Lambadug	Himachal Pradesh	Himachal Consortium PPP Ltd.	25
9.	Srinagar	Uttarakhand	Alaknanda PC	330
10.	UBDC-III	Punjab	Malana Power Co.	75
11.	Maheshwar	Madhya Pradesh	PS	400
12.	Teesta III	Sikkim	Athena Projects	600*
13.	Chujachen	Sikkim	GATI	99
14.	Bhasmey	Sikkim	GATI	51
15.	Sada Mander	Sikkim	GATI	71
			TOTAL:	3263.0
			GRAND TOTAL (A+B+C)	16553.0

* The installed capacity of Teesta-III H.E. Project is 1,200 MW of which 600 MW is planned to be commissioned during the Eleventh Plan.

NHPC — National Hydroelectric Power Corporation Limited
SJVNL — Satluj Jal Vidyut Nigam Limited
NTPC — National Thermal Power Corporation Limited
THDC — Tehri Hydro Development Corporation Limited
NEEPCO — North-Eastern Electric Power Corporation Limited
PVC — Pabbar Valley Corporation
JKPDC — Jammu & Kashmir Power Development Corporation
UJVNL — Uttaranchal Jal Vidyut Nigam Limited
GOMID — Government of Maharashtra Irrigation Department
APGENCO — Andhra Pradesh Generation Corporation
KSEB — Kerala State Electricity Board
KPCL — Karnatak Power Corporation Limited
TNEB — Tamil Nadu Electricity Board
WBSEB — West Bengal State Electricity Board
OHPC — Orissa Hydro Power Corporation
MeSEB — Meghalaya State Electricity Board